LOREX VIEW YOUR WORLD®

# DIGITAL VIDEO SURVEILLANCE RECORDER

# KEEP IN TOUCH
## STAY CONNECTED

### Remote Connectivity & Compatibility

iPhone® iPad® BlackBerry Windows Mac

**PREMIUM**
SERIES

**8/16 CHANNELS**

**1TB OR 2TB**

**960H**

- ADVANCED 960H RECORDING RESOLUTION
- ULTIMATE REMOTE CONNECTIVITY
- MIRROR HARD DRIVE RECORDING
- EXPANDABLE STORAGE SPACE
- HIGH DEFINITION HDMI OUTPUT
- MULTI-TOUCH INTERFACE

VANTAGE

EDGE3

**LH340 EDGE3 Series**

**www.lorextechnology.com**

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## RECORD IN HIGHER RESOLUTION

960H records with 34% more resolution than D1, offering a true to life aspect ratio that provides sharper, more detailed, and non-stretched images.[1]

## MIRROR RECORDING

Secure your data by simultaneously recording footage to an external USB hard drive (not included).[4]

## EXPANDABLE STORAGE

Connect to an external USB hard drive & increase the recording capacity of your system.[4]

## KEEP IN TOUCH WITH YOUR WORLD

Use your smartphone, tablet, PC, or Mac to connect, view and control your system.

## EASE OF USE, END TO END

Internet setup wizard, touch operation and dedicated Apps give you the peace of mind at the tip of your fingers.

Monitor not included.
Pictures simulated.

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## DVR FEATURES:

- 960H (960x480) records with 34% more resolution than D1, offering a true to life aspect ratio that provides sharper, more detailed, and non-stretched images [1]
- HDMI output resolution 1080p (1920x1080) for simple connection to HDTVs [2]
- TRIPLE TOUCH technology using a touch screen monitor[3], light touch front panel controls, smartphones/tablets
- 24x7 100% duty cycle HDD
- Pentaplex operation - View, Record, Playback, Backup & Remotely control the system simultaneously
- Recording options : Motion, schedule or continuous
- 3 x USB 2.0 ports (mouse, touch monitor, backup, firmware upgrade)
- Mirror Hard Drive Recording - secure your recordings by backing up footage to an external hard drive at the same time as recording to the DVR hard drive [4]
- Expandable storage - connect an external USB hard drive to increase recording capacity [4]
- Swipe-to-Switch dynamic allocation of camera location in live viewing
- Intuitive search at your finger tips with multi-channel preview second by second
- Scroll-to-Search through recorded event list with image preview
- Covert camera feature allows the DVR administrator to monitor cameras while hiding them for regular users.
- Multi-language interface (21 languages supported)
- PTZ cameras supported (RS485)
- Small form factor (11.6 x 6.5 x 1.3")
- VESA Mount (easily mounts to the back of an LCD monitor) ††
- "Flex" IR extender for remote control (line-of-sight not required)

## CONNECTIVITY:

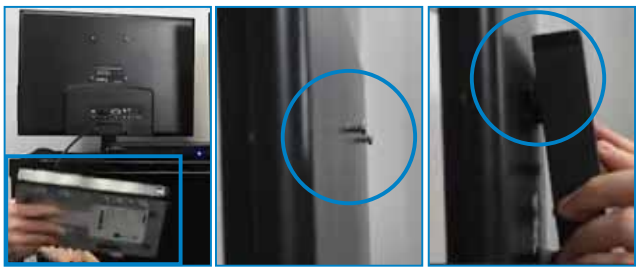
- Instant Mobile Viewing on compatible Smartphones†
- Dedicated iPad® app with multi-channel live viewing, playback, backup & setup
- Exclusive LOREX Easy Connect Internet Set-up Wizard [5]
- Lorex Edge Client Software:
- *PC (Microsoft Windows™ 8 (extend your touch experience), 7, Vista, XP compatible using client software (included) & web browser.*
- *Mac remote client software (included)*
- Free LOREX DDNS (Dynamic Domain Name Service) for advanced remote connectivity at all times
- Instant e-mail alerts with snap shot attachments and web link
- Advanced Management Software - control multiple DVRs in different geographical locations (home/business/vacation properly) via client software & mobile Apps

## COMPLIANCE:

- CEC energy efficient power adapter
- Energy efficient HDD
- ROHS
- Industry standard video inputs (BNC) and outputs (HDMI, VGA)

## VESA MOUNT

†† Easily mounts to the back of an LCD monitor (requires clear access to the VESA mounting holes).



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VIEW YOUR WORLD®

## ADDITIONAL DVR FEATURES:

- Detail you can count on day and night. HD output (HDMI) with exceptional playback quality [2]
- Keep in Touch with your world on your smart phone, tablet, PC or Mac. Use the most touch intuitive DVR that's compatible with Windows 8 to connect, view and control your system
- Reliability you can depend on. Powerful performance in a compact size
- Slim yet powerful. The smallest full-featured DVR in the market
- Ease of use, end to end. Internet setup wizard, touch operation and dedicated Apps give you the peace of mind at the tip of your fingers
- Finger -tip operation. Point, Tap, scroll and swipe to control your DVR
- Scroll-to-Search. Unique event log search while viewing playback footage for an efficient review of events that happened in the course of a day

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# LOREX VIEW YOUR WORLD® DIGITAL VIDEO SURVEILLANCE RECORDER
## Specifications

| SYSTEM | |
|---|---|
| Operating System: | Linux (embedded) |
| Pentaplex: | Simultaneous View, Record, Playback, Backup & Remote Configuration |
| Number of Channels: | **8/16** Channel |
| **Inputs/Outputs** | |
| Video In: | **8/16** x 1Vp-p, CVBS, 75ohms, BNC |
| VGA Out: | VGA compatible |
| HDMI Out: | HDMI compatible |
| Audio In: | 1 Line in(RCA) |
| Audio Out: | 1 line out(RCA) |
| USB Port: | 2 front & 1 back |
| PTZ Control: | RS485 |
| **Display** | |
| Live Display: | 1 or 4 or 9 (8ch), 1 or 4 or 9 or 16 (16ch) |
| Live Display Speed: | 240/480 (8/16ch NTSC)<br>200/400 (8/16ch PAL) |
| OSD: | ON/OFF |
| Activity Detection: | 1320 |
| Sensitivity Levels: | 100 |
| System Control: | USB Mouse, Front Panel Controls, Handheld Remote Control, Touch Screen (Windows 7 touch compatible) |
| Firmware Upgrade: | Via USB device |
| User Authority: | ADMIN/USER1/USER2 |
| Audio: | 1-way audio conference (via network) |
| **RECORDING** | |
| Video Compression: | H.264 |
| Audio Compression: | PCM |
| Recording Speed & Resolution: | **8/16 Channel**<br>240/200 @ 352x240 / 352x256 (NTSC/PAL)<br>120/160 @ 480x240 (NTSC)<br>100/133 @ 480x288 (PAL)<br>120/100 @ 720x240 / 720x256 (NTSC/PAL)<br>60/50 @ 720x480 / 720x512 (NTSC/PAL)<br>100/80 @ 960x240 / 960x288 (NTSC/PAL)<br>50/40 @ 960x480 / 960x576 (NTSC/PAL) |
| Recording Resolution Setting: | Programmable per camera |
| Recording Quality Control: | 5 levels |
| Image Size: | 32 Kbyte (960X480), 16 Kbyte (960X240)<br>24 Kbyte (704x480), 12 Kbyte (704x240) 6 Kbyte (352x240) |
| Recording Schedule: | By hour. by day, by recording mode, by Ch |
| Recording Modes: | Continuous, motion activated |
| Pre Recording: | Max. 10 seconds |
| Post Recording: | Max. 255 seconds |
| Reliability: | Watch-Dog, Auto-recovery after power failure |
| Covert Video: | Dynamic allocation of cameras |

| PLAYBACK | |
|---|---|
| Playback Display: | 1,4,9 (8ch), 1,4,9,16 (16ch) |
| Instant Playback: | for quick review of log events |
| Playback Speed: | Variable (1, 5, 15, 60) |
| Playback Player: | Apple QuickTime multi-hour Player |
| Backup Player: | Apple QuickTime multi-hour Player |
| Search: | By time, event, scroll, frame, date, file |
| **STORAGE & ARCHIVE** | |
| Storage: | Up to 1 HDD (SATA) |
| Maximum Capacity: | Up to 2TB |
| Backup Media: | USB Flash Drive (max 16GB) |
| Backup File Format: | MOV file (Codec included) |
| Bookmark Archiving: | Supported |
| **CONNECTIVITY** | |
| Easy Connect: | Lorex Auto Port Forward Wizard |
| Software: | Edge Client Software for PC & Mac |
| Supported Operating Systems: | Windows™: 8, 7, Vista, XP<br>Mac |
| Browsers: | Internet Explorer, Google Chrome (IE Tab) , Mozilla FireFox (IE Tab) |
| Email Notification: | Text with weblink & snap shot attachment |
| Mobile Connectivity: | iPad®, iPhone®- 4.0 and above, Blackberry™ - (supported model numbers: 9800, 9700, 9000, 8900), Android (version 2.1) |
| DDNS: | Free Lorex DDNS |
| Web Server Port: | Programmable by User |
| Network Protocol: | LAN, DHCP, Dynamic IP, DDNS |
| Network Interface: | 10/100-Base-TX, RJ-45 |
| Network Speed Control: | 10 levels (28.8Kb ~ 1.5MB)/sec. |
| **GENERAL** | |
| Power Consumption: | Approx. 30 watts |
| Supply Voltage: | 100VAC-240VAC, 12VDC, 2.5A, 50/60Hz |
| Unit Dimensions (W x D x H): | 11.6" x 6.2" x 1.1"<br>295mm x 167.4mm x 34.0mm |
| Unit Weight: | 3.2 lbs |
| Operating Temperature: | 41° ~ 104° F / 5° ~ 40° C |
| Humidity: | 10 ~ 75% NC |

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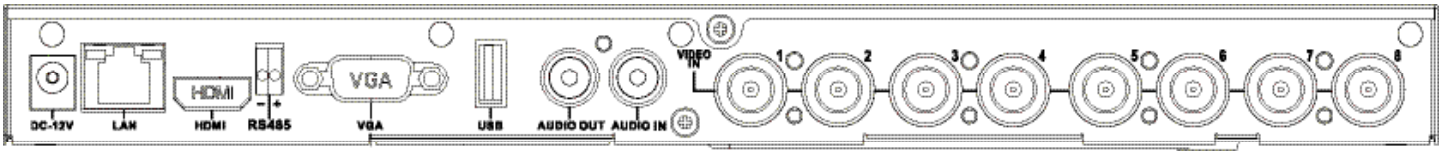
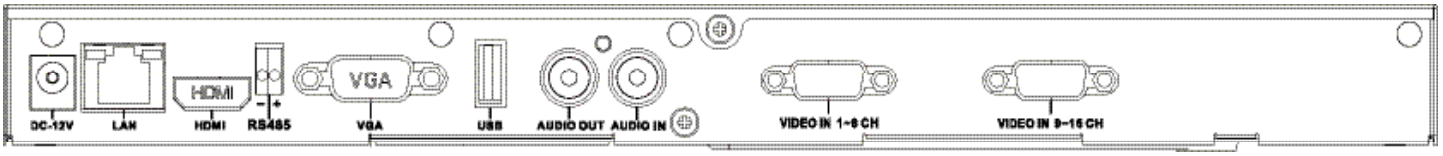
# DIGITAL VIDEO SURVEILLANCE RECORDER
Product Information

## DVR Back Panel

### 8 Channel DVR




### 16 Channel DVR

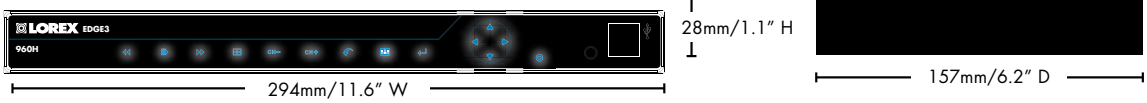



## Product Information:

| MODEL | CONFIGURATION | PACKAGE | W x D x H - Inches & mm | WEIGHT | CUBE | UPC Code |
|---|---|---|---|---|---|---|
| LH3481001 | 8 ch Edge3 DVR with 1TB HDD | Retail English | 317mm x 317mm x 58mm 12.5" x 12.5" x 2.3" | 2.3 kg/x 5.1 lb | 0.005 CBM / 0.2 CBF | 7-78597-34810-1 |
| LH3462001 | 16 ch Edge3 DVR with 2TB HDD | Retail English | 317mm x 317mm x 58mm 12.5" x 12.5" x 2.3" | 2.4 kg/x 5.2 lb (estimated) | 0.005 CBM / 0.2 CBF | 7-78597-34620-6 |
| INCLUDES | 8 or 16 Channel DVR with pre-installed HDD, Remote Control, Flex IR, Mouse, Ethernet Cable, 2 x Octopus BNC Connector (16 channel only), 2 screws (for key-hole style VESA mounting), Power Adapter, Quick Start Guide, CD with Client Software, Auto Port Forward Wizard & Instruction Manual. | | | | | |

## Dimensions:

**DVR**




294mm/11.6" W

T
28mm/1.1" H
⊥

157mm/6.2" D

## DISCLAIMERS:

1. When used with 960H compatible cameras. DVR is backwards compatible and supports different camera inputs: standard resolution and 960H.
2. HDMI output 1080p (1920x1080) for high definition multi-channel live viewing only. High definition recording not supported, recording resolution is limited to a maximum of 960x480 per channel. Image quality and resolution is dependent on the type of camera connected to the DVR.
3. Touch operation with Windows™ 7 compatible touch screen monitor via USB connection.
4. Hard drive mirroring and External storage expansion are selectable options. You select one or the other, but not both at the same time. The DVR supports a single external USB hard drive up to a maximum size of 2TB. The external hard drive must be self-powered to work with the system; it cannot receive power from the DVR's USB port. Footage on the external hard drive can only be accessed using the DVR or a Windows PC. The footage cannot be accessed on a Mac.
5. Requires a high speed internet connection and a router (not included).

† Instant Mobile Viewing on iPad®, iPhone®, BlackBerry (supported model numbers: 8900, 9000, 9700, 9800), Android (version 1.5 & above). Mobile phone data plan is required (not included). Router port forwarding required. For the latest smart phone compatibility list check www.lorextechnology.com as new smart phone models become available in the market.

†† Easily mounts to the back of an LCD monitor with VESA standard mounting holes and an independent stand. Requires clear access to the 175mm x 75mm, 100mm x 100mm, and 200mm x 200mm VESA mounting holes.

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1-02012013